



Strextra EFS G (Rapid Concrete Repair)

Strextra EFS G is developed for instant emergency repairs of all concrete structures, slabs, columns, beams and heavy traffic concrete highways- expressways, runways, factory floorings, aprons, railway platforms etc. which cannot be closed for long durations for maintenance work.

Features of Strextra EFS G

- Factory prepared mortar
- Self compacting
- Self Curing
- Fast return to service time within 30 mins
- Rapid strength gain
- High ultimate strength
- High flexural strength
- Non shrinking ready to use material
- Only water is mixed at site

The repaired portion can be opened to human traffic in 30 minutes and vehicular traffic in 3 hours.

Areas of Application

- Repair of structural concretes
- Retrofitting of columns
- Structural cover for exposed bars in concrete
- Repair of honeycomb in column, beam and slabs
- Repair of upstream face/ downstream face of dams and spillways of dams, and aqueducts
- Repair of Concrete pavements, expressways & industrial floorings
- It is also used as a premium quality self leveling screed for floorings

Due to extreme conditions such as high wear and tear, concrete surface are susceptible to deterioration leading to potholes, cracks, undulations in surfaces. If these problems are not attended immediately, the concrete further degrades rapidly.

To shut down a road for repairs and maintenance is tedious as repairs take at-least 3-4 days. The burden is felt by both; the repair team, as well as the path users.

Strextra EFS G is a factory prepared mortar, consisting of binders, fine aggregates and additives.

Properties of Strextra EFS G

No	Characteristic	Value
1.	Specific gravity of wet mortar	2250 kgs / m ³
2.	Bond strength to concrete	> 1.5 N/mm ² @ 24 hours
3.	Compressive strength	20 N/mm ² @ 2 hours 40 N/mm ² @ 24 hours
4.	Flexural strength	3.5 N/mm ² @ 6 hours 5 N/mm ² @ 24 hours

Method of Use

Minimum thickness at which Strextra EFS G can be used is 15 mm, the area to be treated must be brought to min 15- 20 mm depth, of rectangular shape of appropriate length and breadth by using a concrete cutter / grinder.

Remove all loose material and substrate thoroughly by using a wire-brush. Make sure there is no oil/grease, loose dirt, or any organic growth. Dampen the concrete which

is going to receive treatment by lightly spraying water. Do not allow water logging.

In a clean receptable take required amount of Strextra EFS G. Add water by the proportion of 2.2 ltr water per 30 kg Strextra EFS G or 74 ml water per kg of Strextra. It is advisable to use a mechanical mixer to obtain a uniform consistency self leveling mortar. Mix the mortar continuously for 60 seconds-

thoroughly, and pour into the pit immediately. Since Strextra EFS G is fast set-high strength mortar, the available time for mixing shall not be more than 10-15 minutes. Fill the pothole with the mixed mortar, and tamp with a trowel for removing entrapped air. No water curing is required. Allow 30 minutes for hardening, after which you may open the area to human traffic, and after 3 hours the area may be opened to vehicular traffic.

STREXTRA EFS G is self curing and it does not need any external water curing at all. Strextra EFS G is available in 30 kg bags.

Product data

S/n	PRODUCT DATA	
1.	Color	Concrete coloured
2.	Consistency	Granulometric distribution 0mm – 5mm.
3.	Packing	30 kg bags
4.	Chloride, Iron, Sulfate	Nil
5.	Water content	2.2-3.3 ltrs per 30 kg bag.
6.	Mixing time with water	60 seconds, mix thoroughly
7.	Coverage @ 20 mm thickness	49 kgs for 1 sq m area
8.	28 days cube strength	>55 N/mm ²
9.	Storage	Store in a cool & dry place away from moisture and direct sunlight in a sealed condition. Use within 12 months
10.	IST & FST	Initial Setting Time 10-15 min ; Final Setting Time 20 min
11.	'Pot' life	Must be used within 10 min after mixing

It is strongly recommended that site trials be conducted using site conditions and available raw materials to evaluate the product. Since site materials and conditions are beyond our control and since above suggestions and recommendations are based on our site trials and laboratory product evaluation & trials, and since methods of use at site are beyond our control. Hence, no guarantee can either be implied or enforceable

OTHER PRODUCTS

- Admixtures for Ready Mix Concrete
- Accelerators for precast concrete
- Mould release agents
- Colour enhancers for coloured concrete
- Glossy Lacquers for plain / colored concrete
- Concrete surface sealers and repellants
- “New / Wet look” coatings for concrete
- Anti Efflorescence admixtures for concrete
- Concrete densifiers and coloured coatings
- Superplasticizer for RCC pipes
- Admixtures for concrete sleepers, and poles
- Admixtures for precast concrete



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